10/100Base-TX to 100Base-FX ST -Type Multi-Mode Fiber Converter

TFC-210MST (v1.0R)

This Fiber Converter transforms 10/100Base-TX UTP/STP media to 100Base-FX multi-mode media. The 10/100Base-TX port supports auto-negotiation and auto-MDIX. Designed to connect up to 2KM, the converters are the perfect Fast Ethernet, multi-mode solution.

FEATURES

- Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX standards
- One 10/100Base-TX Auto-Negotiation, Auto-MDIX RJ-45 port
- One 100Base-FX multi-mode SC-type Fiber port
- Supports LLCF (Link Loss Carry Forward)
- Provides Dip switches to set: UTP (Auto Negotiation/Full Duplex), Fiber (Half Duplex/Full Duplex) , LLCF (Enable/Disable), Mode (Pure Mode/ Switch Mode)
- 802.3x flow control for 10/100Base-TX port
- Diagnostic LEDs
- Plug & Play, Hot Swappable
- Optional 19” Fiber Converter Chassis (TFC-1000) holds up to 10 Media Converters
- 5-Year Warranty

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX, 100Base-FX
Network Media	• 10Base-T: UTP/STP Cat. 3, 4, 5, EIA/TIA-568 100-ohm • 100Base-TX: UTP/STP Cat. 5, EIA/TIA-568 100-ohm • 100Base-FX: 50/125µm or 62.5/125µm Multi-Mode Duplex ST-Type Fiber Cable, up to 2km
Protocol	• CSMA/CD
Frame Packet Size	• 64 to 1600 Bytes
Ports	• 1 x 10/100Base-TX RJ-45 Port • 1 x 100Base-FX Multi-Mode ST-Type Fiber Port
Dip Switch	• Dip Switch 1: ON: TX Port Fully Duplex OFF: TX Port Auto- Negotiation • Dip Switch 2: ON: FX Port Half Duplex OFF: FX Port Full Duplex • Dip Switch 3: ON: LLCF Enable OFF: LLCF Disable • Dip Switch 4: ON: Pure Converter Mode OFF: Switch Converter Mode * After changing the DIP Switch settings, power cycle the Fiber converter.
Transfer Rate	• 100Mbps (Half/Full Duplex)
Diagnostic LED	• Per Device: Power • Per port (TX): 100Mbps, Link/Activity, Full Duplex/Collision; (FX): Link/Activity, Full Duplex/Collision
Power Adapter	• 9V DC, 700mA External Power Adapter
Power Consumption	• 2.7 Watts (max)
Dimensions	• 85 x 125 x 25mm (3.35 x 4.92 x 0.98in.)
Weight	• 295g (10.4oz.)
Temperature	• Operating : 0°C ~ 45°C (32°F ~ 113°F) • Storage : -40°C ~ 70°C (-40°F ~ 158°F)
Humidity	• 5% ~ 90% RH
Certification	• CE, FCC

	Media	Wavelength	Power Output (dBm)	Sensitivity	Power Budget (dBm)	Distance
50/125µm	MMF	1310nm (1270nm~1380nm)	-23.5	-31	7.5	2km
62.5/125µm			-20	-31	11	

PACKAGE CONTENTS

- TFC-210MST
- Multi-Language Quick Installation Guide
- Power Adapter

RELATED PRODUCTS

TFC-1000	10-Bay Fiber Chassis
TFC-210MSC	10/100Base-TX to 100Base-FX Fiber Multi-Mode SC-Type Fiber Converter
TFC-210S30	10/100Mbps-TX to 100Base-FX SC-Type Single-Mode Fiber Converter

ORDERING INFORMATION

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